Hybrid Solar Inverter

OCT-S-I-6KW



- Dual AC outputs with intelligent load management.
- Rated output power 6KW, power factor up to 1.0.
- Support parallel connection of up to 9 units.
- Built-in dual MPPT, max PV input power reaches 9KW.
- No-load power consumption ≤ 45W.
- Maximum inverter efficiency up to 96.5%.
- 3-year full machine warranty.



Modle	OCT-S-I-6KW
AC Output(Off Grid)	
Rated Power	6kW/6kVA
Surge Power	12kW/12kVA
AC Output Voltage	208/220/230/240Vac(Settable)
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)
Max Inverter Efficiency	96.5%
Transfer Time	<20ms@Single, <30ms @ Parallel
Output Waveform	Pure Sine Wave
Power Factor	1
No-Load Loss	<45W@Rate Voltage
AC Output (On Grid)	
Rated Power	6kW/6kVA
Power Factor	0.8 leading to 0.8 lagging
Rated Voltage	230Vac
Rated Grid Frequency	50Hz
THD	< 5%
PV Input	
Number Of MPPT Trackers	2
Max PV Input Power	4500W*2
Max PV Array Open Circuit Voltage	500Vdc
Max PV Input Current	18.5A*2
Startup Voltage	100Vdc ±10Vdc
MPPT Voltage Range	65Vdc-450Vdc
MPPT Charging Efficiency	99.9%
Battery	
Compatible Battery Types	Lead-acid、Lithium battery
Rated Battery Voltage	48Vdc
Battery Voltage Range	38.4Vdc-60Vdc
Minimum Cold Start Battery Voltage	46Vdc
Max Solar Charging Current	100A
Max AC Charging Current	80A
Max Charging Current(PV+AC)	100A
Activate The Lithium Battery Function	PV+AC
Protection	
Over Current/Voltage Protection; Anti-islanding Protection; AC Short-Circuit Current Protection Leakage Current Protection; Ground Fault Monitoring; Grid Monitoring DC surge protection OVC II; AC surge protection OVC III	
Mechanical Specifications	
Inverter Dimensions	395*300*125mm
Packing Measurements	475*440*203mm
Net Weight	10.35KG
Gross Weight	12KG
Monitoring Option	WiFi Module
Environment	
Protection Degree	IP20
Humidity	5%~95% relative humidity (non-condensing)
Altitude	<2000 Meters
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~60℃
Noise	<60dB
Certificate	CE, Compliant with NRS097/EN50549-1/ EN50549-10 and other certification standards